

Patent Abstracts of Japan

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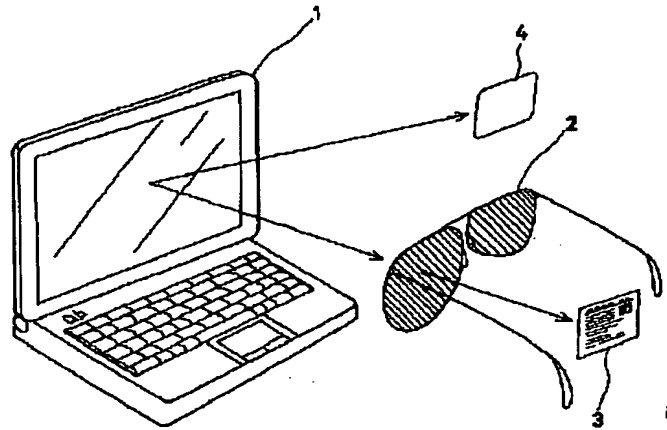
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APPLICANT : DAINIPPON PRINTING CO LTD;

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TITLE : LIQUID CRYSTAL DISPLAY DEVICE



ABSTRACT : PROBLEM TO BE SOLVED: To obtain a liquid crystal display device having no possibility that others glance furtively even when the device is used in public because the display content can not be visually confirmed as long as polarizing spectacles are not used.

SOLUTION: A polarizing plate set on the surface of a liquid crystal panel 1 is removed and a polarizing film is stuck to spectacles 2 worn by an observer by making an optical axis the same as that of the removed polarizing plate. It is desirable to constitute the panel 1 so that the plane of polarization of transmitted light of the polarizing film stuck to the spectacles 2 forms the angle of 45° to a horizontal direction or a perpendicular, and it is good to set the polarization direction of the spectacles 2 to be nearly perpendicular. In such a case, the polarizing spectacles on the market are used as the spectacles 2. By such constitution, a picture whose quality is not different from ordinary display is confirmed as shown on a screen 3 in the case of observing through the spectacles 2. When the spectacles 2 are not used, the picture is not viewed at all as shown on a screen 4.

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